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E.C. JORDAN CO. ENGINEERS & SCIENTISTS

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4959-26

August 13, 1987

Mr. Seong T. Hwang  
Exposure Assessment Group  
Office of Health and Environmental Assessment  
United States Environmental Protection Agency  
Washington, D.C. 20460

Subject: Acushnet River Estuary

Dear Mr. Hwang:

Enclosed please find a chart entitled "Acushnet River Estuary Mudflat Area Estimation." Water depth information was obtained from the U.S. Army Corp of Engineers, Charts DACW 33 Nos. 1 and 2. The following assumptions were made from the information on the charts to estimate the extent of water coverage at mean low water:

- o the distance between a positive value and a negative value was halved;
- o in areas where no positive value existed, the distance between the shoreline and the closest negative value was halved; and
- o in areas where no value was recorded, the mudflat boundary line position was influenced by shoreline shape and the trend of the nearest values.

Sincerely yours,

E.C. JORDAN CO.

*Allen J. Ikalainen*

Allen J. Ikalainen  
New Bedford Site Manager

RECEIVED

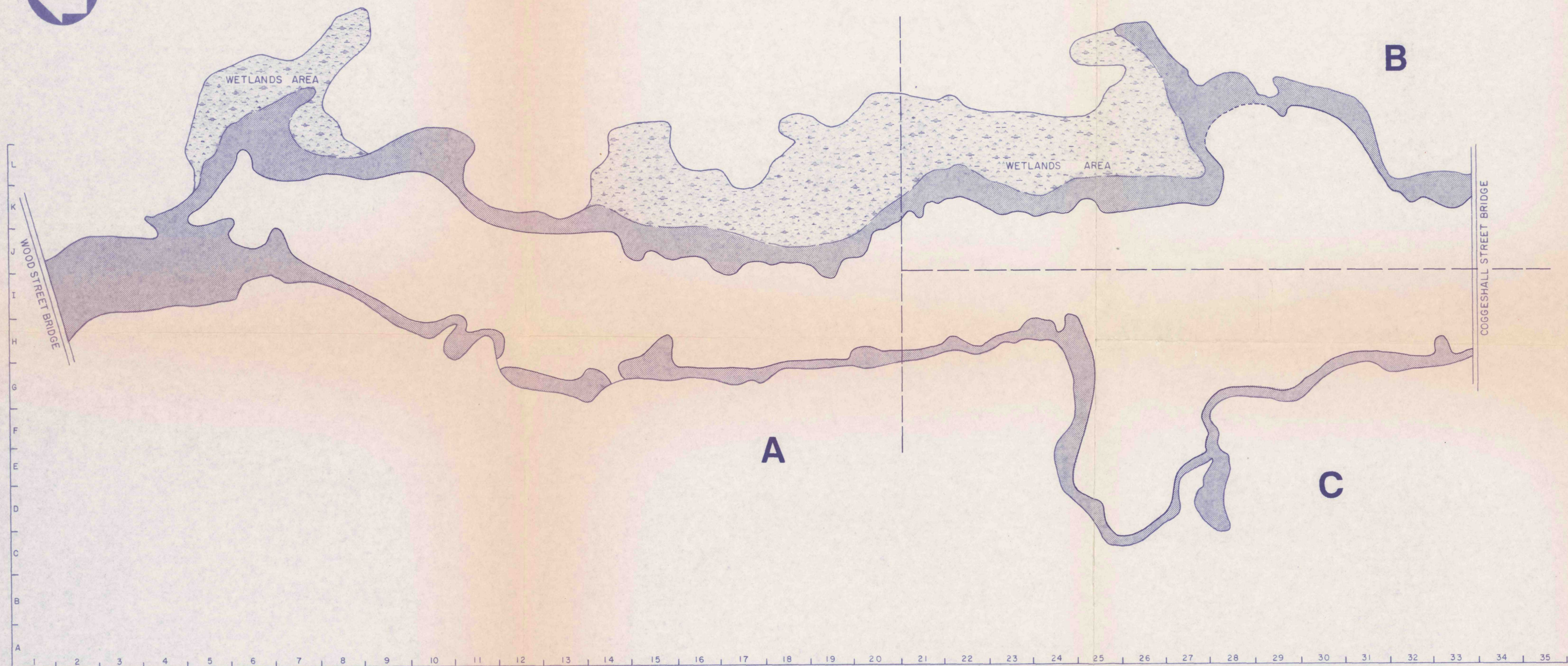
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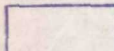


WASTE MANAGEMENT UNIT

cc: Frank Ciavattieri





AREA	ACRES
A	21.5
B	8.2
C	5.1
TOTAL	34.8

-  WATER LIMITS
-  EXPOSED MUDFLATS
-  WETLANDS

0 400 800 1200 FEET

NEW BEDFORD HARBOR  
ACUSHNET RIVER ESTUARY  
AREA ESTIMATION\*  
MUDFLATS AT MEAN LOW WATER

\*TAKEN FROM USACE SPEC. NO. DACW 33  
Site: NEW BEDFORD  
Break: 3.4.52  
Other: 51950